



Beryllium Accreditation Under AIHA Laboratory Accreditation Programs, LLC

Cheryl Morton

Fourth International Symposium
on Beryllium Particulates and Their Detection
October 2012

About AIHA-LAP

Specialty is IH Accreditation

- AIHA-LAP is the only accreditation body covering industrial hygiene

More Rigorous

- AIHA-LAP requires laboratories to do proficiency testing and follow its policies in addition to ISO/IEC 17025

Program History

- First accrediting labs under AIHA, AIHA-LAP has a 38-year history in laboratory accreditation. Program was established years before most other programs by IH professionals for IH professionals.

Global

- Now an internationally-recognized program

AIHA-LAP Programs

- Industrial Hygiene Laboratory Accreditation Program (IHLAP) since 1974
- Environmental Lead Laboratory Accreditation Program (ELLAP) since 1982 - MOU with EPA
- Environmental Microbiology Laboratory Accreditation Program (EMLAP) since 2000
- Food Laboratory Accreditation Program (FoodLAP) since 2001

Be Accreditation Requirements

- ISO/IEC 17025:2005
- AIHA-LAP Accreditation Policies
 - 2A – General Requirements
 - 2B (including Be specific requirements) – IHLAP Specific Requirements
 - 6 – Proficiency Testing
 - Appendices G and H – Estimation of Uncertainty of Measurement and Traceability of Measurement
- Link to [Full Accreditation Policies](#)

Accreditation Process

Applicants must:

- Be proficient in BePAT
- Undergo comprehensive site assessment
 - Verification of test methods
 - Review of quality management system and technical competence
- Address all deficiencies from assessment
- Subject to approval by Analytical Accreditation Board (AAB)

Accredited Laboratories

- Receive certificate
- Scope page, including specific reference to Be Testing
- Lab-specific information uploaded on web site
- Face suspension for failing proficiency testing or violating AIHA-LAP policies
- Initial accreditations are subject to surveillance visit after first year
- Sign certain Agreements to use:
 - AIHA-LAP accreditation logo with their lab ID
 - Combined AIHA-LAP international mark
- Apply for reaccreditation every 2 years

Be Accreditation Under IHLAP

- Be accreditation program designed for DOE labs
 - 39 labs accredited
 - To deal with low-level exposures to beryllium
 - Significant concern related to “high fired” BeO
- To be accredited for “beryllium” under the IHLAP, the obligatory proficiency testing requirement is BePAT

Be Under IHLAP Metals

- Be analysis can be included under the IHLAP Spectrometry Core which ties to IHPAT Metals PT
- IHLAP Spectrometry Core accreditation (ICP or AA) does not explicitly state Be accreditation
- Methods not specifically listed as being Be methods
- While these laboratories may be analyzing Be they are not considered Be accredited and must ensure customers are aware of the distinction

International

- A full member of the ILAC regional body the Inter American Laboratory Accreditation Cooperation (IAAC)
- A signatory of the IAAC Multi Lateral Arrangement (MLA) (North and South America)
- A full member of the Asia Pacific Laboratory Accreditation Cooperation (APLAC)

AIHA-LAP Signing Agreements in Rio, Osaka and Shanghai



Importance of ILAC Recognition

- We comply with ISO 17011 -- the international standard for accreditation bodies
- Equivalent to other global accreditation bodies
- Our lab's data can accepted be worldwide.
- AIHA-LAP can work with U.S. regulatory agencies that are requiring ILAC only labs
 - Now offering some CPSC lead paint testing
- Global access to other laboratories

Additional Information

- For additional information on Beryllium Accreditation: www.aihaaccreditedlabs.org